

Iowa Communications Network 2013 STEM Broadband Proposal

Public/Private Partnerships

- The ICN was designed to create a fabric of public/private partnerships, and provide opportunities for local providers of last mile services.
- ICN has surrounded itself with valuable partners in the Private Sector, who by virtue of State Procurement processes, are contracted to provide value from the Private Sector to the Public Sector.
- What if there was a way to strengthen those partnerships by allowing the Private Sector access, by way of fair and equitable procurement, to routes and potential bandwidth of the ICN.

Network infrastructure Upgrade

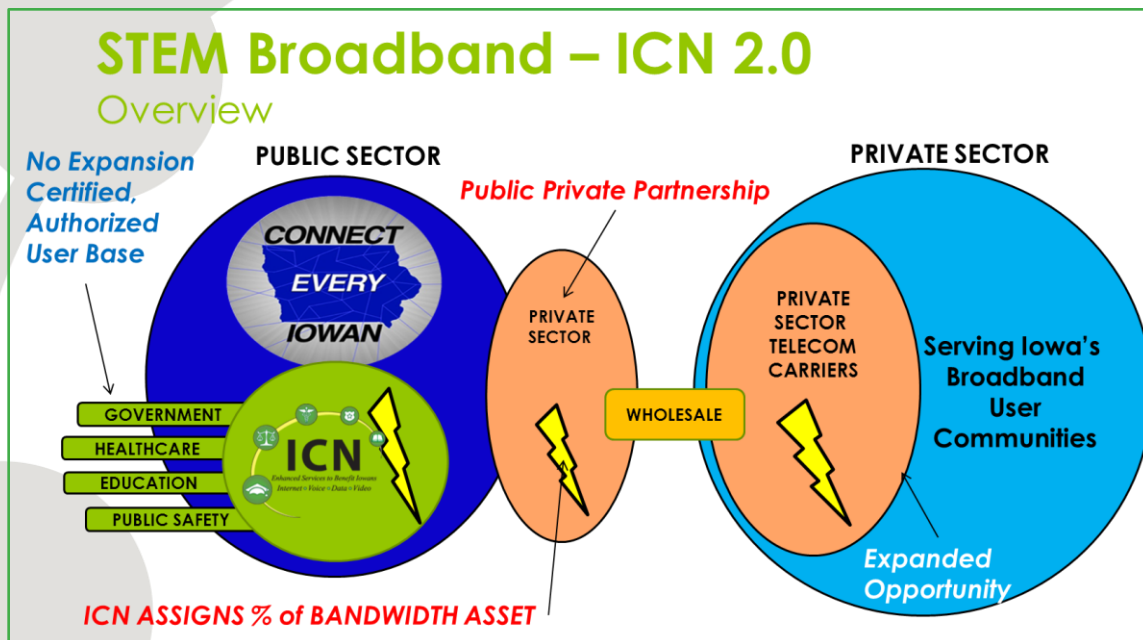
- Successful \$25 million infrastructure upgrade completed June 2013.
- Backbone of 40Gb-100Gb with an extended reach of backbone capacity of 10 gbps to all 99 counties.
- Provides at least 1Gb of dedicated, symmetrical, Ethernet connectivity to selected users. All Area Education Agencies' served by 10GB.
- Ability to turn-up additional capacity (where needed) at any time without interfering with the connectivity of existing users.
- Future advancements - 400Gb at the core.

Summary of Proposal

1. ICN provides a wholesale asset.
2. Private Sector provides access to wholesale asset.
3. Private Sector carriers have additional route and bandwidth opportunity to develop broadband deployment.

What is ICN 2.0?

- The State will offer up a significant % of the ICN unused bandwidth potential as a wholesale asset for the Private Sector to access unreached or underserved areas.
- The State will Partner with the Private Sector to:
 - Operate middle mile fiber routes and segments of bandwidth potential.
 - Make those available via wholesale agreement to Private Sector carriers.
- By having wholesale availability to established ICN bandwidth potential, Private Sector carriers have increased economic opportunity to serve Iowans.



Proposed Legislative Changes to Code Chapter 8D

In support of the Governor's Broadband initiative:

- Language required enabling "WHOLESALE" activities with a portion of ICN capacity.
- Determine qualifications/specifications for the "WHOLESALE User".
 - State procurement process and Administrative processes would detail the 'Wholesale Operator' via bidding as ICN has historically done through managed services contracts with the Private Sector.
- By adding this distinction, the Private Sector would be able to wholesale ICN assets for their use or for their customer product deliverables.